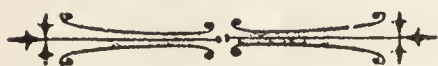


The Urban District Council of Formby.



Second Annual Report

OF THE

Medical Officer of Health

AND OF THE

Sanitary Inspector

For the Year, 1906.

FORMBY :

J. J. RILEY, PRINTER, "TIMES" OFFICE, 6, FOSTER ROAD.

—
1906.



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Annual Report for 1906.



COUNCIL OFFICES,

FORMBY, March, 1907.

To the

*Chairman and Members of the Health Committee
of the Urban District Council of Formby.*

GENTLEMEN,

In accordance with the requirements of the Local Government Board, I have pleasure in submitting my Second Annual Report on the Health and Sanitary condition of your district during the past year, together with the report of your Sanitary Inspector.

Seven tables are included in the report as to the Vital Statistics of the district; five of the tables are required by the Local Government Board, one by the Home Office, and Table (C) by the Medical Officer of Health for the County.

Table I. deals with the Vital Statistics for the whole district for 1906 and the past ten years.

Table II.— deals with the Separate Localities of the district for 1906 and the past ten years.

Note.—This district is not split up into localities.

Table III. deals with Infectious Diseases notified during 1906.

Table IV. deals with causes of and ages at death, during the year 1906.

Table V. deals with Infant Mortality during 1906.

Table VI. is a summary of the work done under the Factory and Workshops Act.

Table VII. is a summary of report required by the Medical Officer of Health for the County.

INFECTIOUS DISEASES NOTIFIED.

During the year 35 cases of Infectious Diseases have been notified to me, in accordance with the provisions of the Notification Act. These cases occurred in 30 houses; 18 were removed to hospital at Birkdale, of which one case proved fatal; 17 were treated at their own homes, of which none died.

The following table gives the number of cases notified during the past seven years:—

1900	60	1904	35
1901	45	1905	18
1902	66	1906	35
1903	130		

SCARLET FEVER.

Eight cases of Scarlet Fever occurred during the year in seven houses. Six were treated at home and one was removed to hospital. None of the cases proved fatal.

During the past seven years the following cases of this disease were notified in the district:—

In 1900	42	In 1904	28
1901	9	1905	9
1902	14	1906	8
1903	3		

DIPHTHERIA.

Twenty cases of Diphtheria were notified to me from 16 houses. Four were treated at home, none of which proved fatal, and 16 were removed to hospital, of which one died. The majority of the cases were only of a mild form. During the Spring months of the year, eight cases occurred, and during the Autumn 12 cases; the premises in each instance were visited, and were found to be in an insanitary condition, chiefly

owing to the condition of the cesspools, and the proximity of them to the houses. The majority of the cases occurred in the neighbourhood of Willow Grove and Formby Street, two of the most crowded areas in the district. It should be noted, however, that Diphtheria has been somewhat prevalent throughout the county.

During the past seven years the following cases have been notified in the district :—

In 1900	2	In 1904	1
1901	3	1905	6
1902	—	1906	20
1903	3		

TYPHOID.

Three cases from three houses have been notified to me during the year. Two were treated at home, and one was removed to hospital. None of the cases proved fatal.

The following cases have been notified during the past seven years :—

In 1900	7	In 1904	2
1901	5	1905	1
1902	8	1906	3
1903	—		

CLOSING OF SCHOOLS.

During the year it was found necessary to close St. Peter's and Holy Trinity Schools owing to outbreaks of Measles and Diphtheria.

INSPECTION OF THE DISTRICT.

During the year I have from time to time accompanied your Inspector in visits made to various houses and premises in all parts of the district, particularly during the time when Diphtheria was somewhat prevalent, when a house to house inspection

was made in Formby Street and Willow Grove ; and on these occasions the Inspector and I were accompanied by Dr. Gill, the Chairman of the Health Committee.

In company with your Inspector, I have also visited the Bakehouses and the majority of the Dairies, Cowsheds, and Shippons.

SANITARY STATE OF THE DISTRICT AT THE END OF THE YEAR.

The sanitary state of the district cannot be said to be satisfactory until it is efficiently sewered, as at present the entire disposal of house sewage devolves upon the occupier. The whole of the houses are drained into cesspools situated, in a great many instances, too near dwellings, with the result that the constant emptying of the contents of cesspools on to confined areas has caused the ground to become saturated with sewage, and, until the completion of the sewerage works, it is my opinion that some means should be adopted whereby the contents of cesspools should be entirely removed from the neighbourhood of dwellings. During the past year considerable progress has been made with the sewerage works.

VITAL STATISTICS.

ZYMOTIC DEATH-RATE.

There has been an increase this year under this heading in the number of diseases, by the addition of deaths of infants under one year of age from Enteritis, which, by order of the Local Government Board, has been included under Diarrhœa for the first time. If the old classification were continued, the deaths occurring from these causes would have been one giving a death-rate of .15 per 1000. Under the new Order, however, three deaths have occurred, giving a death-rate of .47 per 1000 of the estimated population.

GENERAL BIRTH-RATE.

One hundred and twenty-five births were registered during the past year—54 males and 71 females—giving a birth-rate of 19.7 per 1000 of the estimated population.

GENERAL DEATH-RATE.

The deaths registered during the year were 66—28 males and 38 females—giving a death-rate of 10.4 per 1000. Six of the deaths resulted from accidents.

Your obedient Servant,

FRANCIS CARTER,

Medical Officer of Health.

TABLE I. Formby Urban District

Vital Statistics during 1906 and previous years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		Deaths under One Year of Age.		Death at all Ages.		Total Deaths in Public Institutions	Deaths of Non-residents registered in District.	Deaths of residents registered in District.	Deaths at all Ages. Nett.	
		Number.	Rate.*	Number	Rate per 1000 Births registered	Number	Rate.*				Number	Rate.*
I	2	3	4	5	6	7	8	9	10	11	12	13
1896.	5,401	128	23.6	1	7.6	47	8.70	5	5	1	47	8.20
1897	5,312	138	25.9	19	137.6	80	15.04	7	7	1	30	15.04
1898.	5,421	109	20.1	10	91.7	63	11.62	9	9	...	63	11.62
1899.	5,530	134	24.2	20	149.2	79	14.28	7	7	1	79	14.28
1900.	5,647	125	22.1	15	123.0	88	15.56	3	3	2	88	15.56
1901.	5,649	117	20.7	14	110.6	53	9.36	5	5	1	53	9.36
1902.	5,764	103	18.7	14	129.6	69	11.96	...	...	4	69	11.96
1903.	5,906	110	18.6	10	90.9	64	10.83	4	4	3	64	10.83
1904.	6,030	111	18.4	15	135.1	74	12.27	8	8	9	74	12.27
1805.	6,086	122	20.04	9	73.7	66	10.84	6	6	4	64	10.51
Averages for years 1896—1905.	5,674	120	21.2	12	104.9	68	12.04	5	5	2	63.1	11.96
1906.	6,325	125	19.7	11	88	66	10.4	2	2	2	66	10.4

* Rates in Columns, 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this Table.

TABLE II. Formby Urban District.
Vital Statistics during 1906 and previous years.

N O T E S .

(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district: and blocks 2, 3, etc., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.

(b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")

(c) Deaths of residents occurring in public institutions whether within or without the district, are to be allotted to the respective localities, according to the addresses of the deceased.

(d) Care should be taken that the gross totals of the several columns in this table respectively equal the corresponding totals for the whole district in Tables I. and IV.: thus, the totals of sub-columns *a*, *b*, and *c* should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table I.: the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-columns *d* with the total of column 3 in Table IV.

YEAR.	Population estimated of to Middle of each Year.	Births registered	Deaths at all Ages.	Deaths under One Year.
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
1896 ...	5,401	128	47	1
1897 ...	5,312	138	80	19
1898 ...	5,421	109	63	10
1899 ...	5,530	134	79	20
1900 ...	5,647	125	88	15
1901 ...	5,649	117	53	14
1902 ...	5,764	108	69	14
1903 ...	5,906	110	64	10
1904 ...	6,030	111	74	15
1905 ...	6,086	122	64	9
Averages of Years 1896 to 1905.	5,674	120	68	12
1906 ...	6,325	125	66	11

N O T E S .

- (a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district: and blocks 2, 3, etc., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.
- (b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms “resident” and “non-resident.”)
- (c) Deaths of residents occurring in public institutions whether within or without the district, are to be allotted to the respective localities, according to the addresses of the deceased.
- (d) Care should be taken that the gross totals of the several columns in this table respectively equal the corresponding totals for the whole district in Tables I. and IV.: thus, the totals of sub-columns *a*, *b*, and *c* should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table I.: the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-columns *d* with the total of column 3 in Table IV.

TABLE III. Formby Urban District.

Cases of Infectious Disease Notified during the Year 1907.

Notifiable Disease.	Cases Notified.						No. of Cases removed to Hospital.	<p>NOTES.—The localities adopted for this Table should be the same as those in Tables II. and IV.</p> <p>State in space below the name of the isolation hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. The name of the authority by whom the hospital is provided should also be given. Mark (W) the locality in which a workhouse is situated.</p> <p>* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.</p> <p>+ These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by enquiry or otherwise, has obtained the necessary information.</p>	
	At all Ages.	At Ages†—Years.							
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.			65 and upwards.
Small-pox ...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...
Diphtheria...	20	...	4	13	2	1	...	...
Membranous croup	...	...	...	...	...	...	...	...
Erysipelas ...	4	...	...	...	1	3	...	...
Scarlet fever	8	...	...	8	...	...	...	...
Typhus fever	...	...	...	...	...	...	...	...
Enteric fever	3	...	...	2	...	1	...	...
Relapsing fever	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	...	...	...
Puerperal fever	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...
*	
Totals...	35	...	4	23	3	5	...	...

TABLE IV. Formby Urban District.

Causes of, and Ages at, Death during the Year 1906.

Causes of Death.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all Ages of "Residents" belonging to localities, whether occurring in or beyond the District.	Total Deaths whether of Residents or non-residents in Public Institutions in the District.
	All Ages.	Under 1 Year.	1 and under 5.	5 and 15 under.	15 and under 25.	25 and under 65.	65 and upwards.		
Measles ...	1	...	1	...	...	...	...	...	...
Enteritis ...	4	4	...	...	...	...	...	...	...
Other septic diseases ...	1	...	...	...	...	1	...	...	...
Phthisis (Pulmon- ary Tuberculosis)	5	...	...	1	2	2	...	...	1
Cancer, malignant disease	3	...	...	...	...	1	2	...	...
Bronchitis ...	3	...	2	...	1	...	...	1	...
Pneumonia ...	6	1	...	1	1	3	...	...	...
Other diseases of Respiratory organs	1	1	...	...	...	...	...	...	...
Alcoholism Cirrhosis of Liver }	1	...	...	...	...	1	...	...	...
Premature birth	2	2	...	...	...	...	...	...	...
Heart diseases ...	13	...	1	...	...	5	7	...	...
Accidents ...	6	...	...	...	1	4	1	...	1
All other causes	20	3	1	...	...	5	11	1	...
All causes ...	66	11	5	2	5	22	21	2	2

NOTES TO TABLES IV. AND V.

- (a) In Table IV., all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be *included* with the other deaths in the columns for the several age groups (columns 2-8). They are also, in columns 9-15, to be *included* among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-residents" occurring in public institutions in the district are in like manner to be *excluded* from columns 2-8 and 9-15 of Table IV.
- (b) See notes on Table I. as to the meaning of "Residents" and "Non-residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" in Table IV. should be the same as those in Tables II. and III.
- (c) All deaths occurring in public institutions situated within the district, whether of "Residents" or of "Non-residents," are, in addition to being dealt with as in note (a), to be entered in the last column of Table IV. The total number in this column should equal the figures for the year in column 9, Table I.
- (d) The total deaths in the several "Localities" in columns 9-15 of Table IV. should equal those for the year in the same localities in Table II., sub-columns c. The total deaths at all ages in column 2 of Table IV. should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.
- (e) Under the heading of "Diarrhœa" are to be included deaths registered as due to Epidemic diarrhœa, Epidemic enteritis, Infective enteritis, Summer diarrhœa, Dysentery and Dysenteric diarrhœa, Choleraic diarrhœa, Cholera and Cholera Nostras.
In addition, and as regards deaths of children *under one year of age*, under the heading "Diarrhœa" in column 3 (Table IV.) are to be included all deaths classified as "Diarrhœal diseases" in Table V.
Under the heading of "Enteritis" in Table IV., are to be included only deaths *over one year of age* registered as due to Enteritis, Muco-enteritis, Gastro-enteritis, Gastric catarrh, Gastritis, and Gastro-intestinal catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, under the specific term "Diarrhœa." Deaths from diarrhœa secondary to some other well-defined disease should be included under the latter.
- (f) Under the headings of "Cancer" and "Puerperal fever" should be included all registered deaths from causes comprised within these general terms. Thus: Under "Cancer" should be included deaths from Cancer, Carcinoma, Malignant disease, Scirrhus, Epithelioma, Sarcoma, Villous tumour, and Papilloma of bladder, Rodent ulcer. Under "Puerperal Fever" are to be included deaths from Pyæmia, Septicæmia, Sapræmia, Pelvic peritonitis, Peri- and Endo-Metritis occurring in the Puerperium.
- (g) Under "Congenial Defects" in Table V. are to be included deaths from Atelectasis, Icterus neonatorum, Navel hæmorrhage, Malformations and Congenial hydrocephalus.
- (h) Under "Tuberculous Meningitis" are to be included deaths from Acute hydrocephalus.
- (i) Under "Other Tuberculous Diseases" are to be included deaths from Tuberculosis, Tuberculosis of bones, joints and other organs, Lupus and Scrofula.
- (j) All deaths certified by registered Medical Practitioners and all Inquest cases are to be classed as "Certified"; all other deaths are to be regarded as "Uncertified."

In recording the facts under the various headings of Tables I., II., III., IV., and V., attention has been given to the notes on the Tables,

TABLE V. Formby Urban District. Infantile Mortality during the Year 1906.
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Deaths from stated Causes in Weeks and Months under One Year of Age.																Total Deaths under One Year.
	Under 1 week.	1—2 weeks.	2—3 weeks.	3—4 weeks.	Total under 1 month.	1—2 months.	2—3 months.	3—4 months.	4—5 months.	5—6 months.	6—7 months.	7—8 months.	8—9 months.	9—10 months.	10—11 months.	11—12 months.	
All Causes	8	3	...	...	3	3	...	...	1	...	...	...	...	1	...	...	8
Certified... Causes	3	1	...	...	1	...	...	...	...	1	...	...	...	...	...	1	3
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea, all forms	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	4
Enteritis, not tuberculous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2
Congenital Defects	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Peritonitis:	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Other causes	2	...	...	...	2	1	...	...	...	...	...	...	...	...	...	1	4
	4	...	...	...	4	3	...	...	1	1	...	...	...	1	...	1	11

District—Formby Urban District.
 Births in the year—Legitimate, 123; illegitimate, 2.
 Deaths from all causes at all ages—66.
 Population (estimated to middle of 1906)—6,325.
 Deaths in the year of legitimate infants—11.

TABLE VI.

Urban District of Formby.

Annual Report of the Medical Officer of Health for
the Year 1906,

on the administration of the Factory and
Workshop Act, 1901, in connection with

**FACTORIES, WORKSHOPS, LAUNDRIES, WORK-
PLACES, AND HOMEWORK.**

Including Inspections made by Sanitary Inspectors or Inspectors of
Nuisances.

I.—INSPECTION.

Premises.	Number of		
	Inspections.	Written Notices	Prosecutions
Factories (Including Factory Laundries).	4	...	...
Workshops (Including Workshop Laundries).	62	...	...
Workplaces (Other than Outworker's premises included in Part 3 of this Report).	10	...	...
Total	76	...	...

2.—DEFECTS FOUND.

Particulars.	Number of Defects.	
	Found.	Remedied.
Overcrowding	1	1
Other nuisances	1	1
Breach of special sanitary requirements for bakehouses (ss. 97 to 100).	3	3
Total	5	5

3.—HOME WORK.

NATURE OF WORK.	Outworkers' Lists, Section 107.	Number of Inspections of Outworkers' premises.
	Numbers of Addresses of Outworkers received from other Councils.	
Wearing Apparel—		
(1) making etc.	I	I
(2) cleaning and washing	Rec. 13/9/06	
TOTAL	I	I

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.
Bakehouses	6
Dressmakers	11
Bootmakers	9
Cycle Repair Shops	2
Cabinet Maker	1
Joiners and Builders	5
Saddler	1
Tinsmith	1
Wheelwright	1
Laundry	1
Total number of Workshops on Register	38

5.—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133)....	...
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s 5).	<div>Notified by H.M. Inspector</div> <div>Reports (of action taken) sent to H.M. Inspector</div>
Other ... ..	...
Underground Bakehouses (s. 101):—	
Certificates granted during the year	Nil.
In use at the end of the year	Nil.

6325
5.5

575
6325

1150

12
11

TABLE VII.

County of Lancaster.

Summary of Medical Officer's Report for 1906.

Urban District of Formby.

Area in Statute Acres, 5,427.

Population (Census) 1901, 5,642.

Population (Estimated) 1906, 6,325.

Name of Medical Officer of Health, Francis Carter; salary,
£30.

Births registered: Males, 54; females, 71; total, 125.

Deaths registered (nett deaths belonging to the district): Males,
28; females, 38; total, 66.

Number of illegitimate births registered, 2.

Deaths of illegitimates under one year of age: Nil.

Birth-rate, 19.7.

Death-rate, 10.4.

Rate of infant deaths, under one year, to 1,000 births, 88.

Death-rate from the * seven principal zymotic diseases per
1000 of population, .477.

Diseases prevalent: Measles and Diphtheria. Period: Spring
and Autumn.

What action taken?—See report. Any schools closed?—Yes.
If so, for what disease?—Measles and Diphtheria.

What is the character of the hospital accommodation?—Birk-
dale Fever Hospital: Good.

† Is it joint or otherwise? (See footnote): Joint; an arrangement to pay a sum per week per patient. No retaining fee paid.

Number of beds available for your district, 16.

Number of cases treated; Small-pox, 0; Diphtheria, 16; Scarlet Fever, 1; Typhoid Fever, 1; total, 18.

Deaths in hospital, 1. From what causes?—Diphtheria.

How is disinfection carried out?—Houses: Fumigation and spray of Formalin. Clothing, bedding, etc.: Super-heated steam. Apparatus used: Washington Lyon. Where situated: Birkdale.

Number of cases of Infectious Disease notified, 35.

Are any diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, etc.)? If so, what are they?—No.

Has any arrangement been made for the “voluntary” notification of Phthisis?—No.

* Small-pox; Scarlet Fever; Diphtheria and Membranous Croup; Fever—Typhus, Typhoid, and Continued; Measles; Whooping Cough and Diarrhœa.

† If you have the Joint use of Isolation Hospital belonging to neighbouring Authority state nature of agreement. Is any

SUMMARY—Continued.

Action taken under "The Housing of the Working Classes Acts"	No. of houses condemned, 2. Demolished, 2.
From where is the Water Supply obtained, and what is its condition? Is it subject to your inspection?	Southport Water Board. Good, but very hard. No.
Is scavenging carried out satisfactorily?	Yes.
By sanitary authority or contract?	House refuse by contract.
How is the refuse disposed of?	Deposited on open land outside district, and sorted; part used as manure, surplus buried.
Has a Destructor been provided?	No.
What is the character of Drainage and the form of Sewage Disposal?	Cesspools.
Canal Boats (Number Inspected, etc.)?	None in district.
What is the condition of the Bakehouses?	Satisfactory.
Slaughter-houses?	Two; both in satisfactory condition.
Has a Public Abbatoir been provided?	No.
Lodging-houses?	None.
Are they registered?	No.

SUMMARY—*Continued.*

Dairies, Cowsheds, and Milk-shops— Are they periodically inspected?	Yes.
What is their condition?	As satisfactory as possible under existing conditions.
Have regulations been made under the Order of the Local Government Board?	Yes.
Are they enforced?	No, not to full extent, but report of Inspector is before the Council.
What amount of air space in cubic feet is required for each cow?	800.
Food unfit for human consumption. Amount seized	None.
Department of Inspector of Nuisances	No. of Notices served, 212. Nuisances remedied, 607. No. of Legal Proceedings taken and result, 3; orders made and work done.
Closet accommodation of the District	No. of Privy Middens, 625. Pail Closets, 381. Fresh Water Closets, 375. Waste Water Closets, none.
Smoke	No. of Observations, 12. No. of Legal Proceedings taken and result, nil. What is the time limit allowed for the emission of black smoke per hour?— Four minutes per hour.
Has the Authority adopted— (a) "The Infectious Disease (Prevention) Act, 1890"? (b) "The Public Health Acts Amendment Act, 1890"?	Yes. Yes.

COUNCIL OFFICES,

FORMBY, March, 1907.

*To the
Chairman and Members of the Health Committee
of the Urban District Council of Formby.*

GENTLEMEN,

I beg to submit my Annual Report upon the work done in the Sanitary Department during the past year, showing particulars of nuisances abated and the improvements effected:—

INSPECTION OF THE DISTRICT.

Numerous complaints have been received as to the existence of nuisances in various parts of the District, and in addition to the work of investigating the complaints, a house to house inspection has been made in the crowded areas of the District, and also of the 100 thatched cottages reported upon by your late Inspector.

NOTICES SERVED, ETC.

99 Preliminary and 61 Statutory Notices dealing with 512 Nuisances have been served upon the owners or occupiers of premises in various parts of the District, the majority of which received prompt attention; in one case only was it necessary to take legal proceedings under the provisions of the Public Health Act.

During the progress of work the various premises were visited in order to see that the notices were being complied with; and frequent interviews have been held with owners, occupiers, and contractors, respecting works required to be executed.

CESSPOOLS.

78 Cesspools which were found to be defective have been cleansed, repaired, provided with efficient ventilation, or re-covered during the past year. Owing to the sewerage works

now in operation in the District a certain amount of latitude has been allowed, and consequently there are many cesspools within the prescribed distance of dwellings. The chief cause of nuisance arising from cesspools is due to insufficient emptying, and allowing cesspools to become over-full. A cesspool is full and requires emptying when the contents rise to the level of the invert of the drain pipe emptying in the cesspool ; and many complaints of nuisances would be obviated if occupiers of premises would insist upon the drain inlet to the cesspool being kept clear above the contents of the cesspool ; it is not by any means an uncommon occurrence to find the contents of cesspools backing up the drains and overflowing at the gully inlets to the drain. With respect to the cesspools in the crowded areas, viz., Formby Street, Willow Grove, and Queens Avenue, some means should be adopted for the entire removal of the contents of cesspools, as the ground adjoining the cesspools is reeking with house sewage, and consequently constitute a danger to health.

DRAINS, ETC.

During the year 99 defective drains have been repaired, re-laid, or re-constructed, the defects were discovered either by means of the water test or smoke test. In each instance after the work was completed the drains were re-tested in order to see that the drains were left in a water-tight condition. 21 defective gullies have been cleansed or re-placed with new, and in 47 instances new channels have been fixed leading to gullies for waste pipes to discharge over.

In very few instances are intercepting traps fixed, disconnecting the cesspools from house drains, the reason being that the proximity of the rheam or surface water to the top of the ground prevents drains being laid, and cesspools being built at a sufficient depth below the ground without considerable expense. The majority of the house drains in the District therefore, are for nearly half their length laid on the surface of the ground, and in view of the completion of the sewerage works it has not been thought advisable to saddle owners of premises with the expense of work which might, in the near future, have to be re-constructed.

WASTE PIPES, ETC.

160 waste pipes, from scullery sinks, baths and lavatories, which were found to be defective or untrapped, have been trapped or made sound and caused to discharge separately, and on to open channels. In 57 instances rainwater downspouts or gutters have been cleansed, or the joints re-caulked and made water-tight. One defective lavatory basin has been re-placed, and one foul wooden sink has been abolished and re-placed with a new glazed stoneware sink

WATER CLOSETS, SOIL PIPES, AND W.C.

CONNECTIONS.

Three foul pan closets have been removed, and pedestal washdown w.c.'s fixed in lieu thereof.

In three instances foul wash-out w.c. basins enclosed in wooden casings, have been removed and re-placed with new pedestal washdown basins.

In 29 instances the w.c. connections and soil pipes were found defective, and were made sound and gas-tight, and in one instance a proper and sufficient flush of water was provided.

PAIL CLOSETS.

21 defective pail closets have been replaced with new G.I. pails.

PRIVIES AND ASHPITS.

Three foul privy closets and ashpits have been abolished and pail closets and G.I. ashbins provided in lieu thereof. In 14 instances ashpit accommodation has been provided to premises by means of the G.I. ashbins, while in 10 instances foul and deep ashpits have been cleansed and put in proper order.

INFECTIOUS DISEASES.

In accordance with the Medical Officer's instructions, enquiries were made into each of the 35 cases of infectious disease notified to him. In each instance the rooms were thoroughly disinfected by the Birkdale staff, and the bedding

and clothing used by the patients were removed at the earliest opportunity to Birkdale for disinfection. 35 notices were served on the owners of premises to scrape the walls and ceilings, and afterwards wash down with a solution of carbolic the rooms in which the infectious sickness occurred. These notices received prompt attention.

During the year the drains at St. Peter's Schools and Holy Trinity Schools were relaid, and the Offices thoroughly cleansed and disinfected, while at the latter schools the rooms were fumigated with sulphur, and the walls, ceilings, and floors afterwards washed down with a strong solution of carbolic.

DAIRIES AND COWSHEDS.

The lime-washing and cleansing of the various dairies and cowsheds have been regularly and promptly attended to; in one or two instances only was it necessary to verbally call attention to the condition of the walls which required re-lime-washing. In 4 instances notices have been served under the Dairies and Cowsheds Order, which received attention.

A report dealing with the Dairies and Cowsheds in the district has been submitted to the Health Committee, and a copy forwarded to the Local Government Board.

SLAUGHTER-HOUSES.

There are two slaughter-houses in the district, one of which is licensed annually. Visits have been made from time to time, and in one instance only was it necessary to call the attention of the owner to its condition.

FACTORY AND WORKSHOPS ACT, 1901.

The workshops and workplaces in the district have been visited from time to time. In no instance was it necessary to call attention to the cleanliness of the various premises, but in one instance overcrowding was found, which was remedied upon verbal intimation being given to the occupier.

There are 38 workshops on the register, consisting of six bakehouses, 11 dressmakers, nine bootmakers, five joiners and builders, two cycle repair shops, one cabinet maker, one saddler, one tinsmith, one wheelwright, and one laundry.

OUTWORKERS' LIST.

One list of outworkers has been received during the year. The premises have been inspected and found in a sanitary condition.

BAKEHOUSES.

The bakehouses have been regularly visited during the year; in two instances cesspools have been removed a distance of fifty feet away from the bakehouse, and in one instance a notice has been served for the removal of animals kept in close proximity to the bakehouse.

The bakehouses have been regularly limewashed, and the interior of the premises are kept in a very satisfactory manner.

HOUSE REFUSE CONTRACT.

The pail closets and ashbins have been regularly emptied and disinfected during the year, and the ashpits have also been emptied and disinfected by the contractor upon receiving notice to do so. The whole of the contents are now deposited on a site beyond the boundary of the district, and are suitably treated.

The number of ashpits emptied during the			
year was 1,992, at a cost of	£154	4	6
The number of ashbins emptied during the			
year was 4,953, at a cost of	£61	18	2
The number of pail closets emptied during the			
year was 14,534, at a cost of	£121	2	4
	£337	5	0

The above numbers show an increase of 2,758 pails, 2,693 bins, and 268 ashpits compared with those emptied in the preceding twelve months.

HOUSING OF THE WORKING CLASSES ACT.

During the year two notices were served upon owners requiring premises to be made fit for human habitation. In one case the premises were demolished by the owner, while in the other case an order had to be obtained from the magistrates to close the premises, which were finally pulled down.

With respect to the 100 thatched cottages, these have been under consideration by the Health Committee from time to time, and are being gradually dealt with.

SUMMARY.

Cesspools, cleansed, ventilated, or provided with proper covers	78
Defective Drains re-laid, re-constructed or repaired	99
Gullies fixed in lieu of defective ones	21
Drains disconnected from water course	2
Channels of Cement or Stoneware provided to Waste Pipes	47
Defective Waste Pipes provided with traps or made good..	160
Soil Pipes and W.C. Connections repaired and made gas-tight	29
Pan Closets removed and Washdown Closets provided ...	3
Foul wash-out w.c. basins removed, and pedestal washdown w.c. provided	3
Sufficient flush of water provided to W.C.	1
Foul and Deep Ashpits filled in to ground level and paved	10
Ashpit accommodation provided	14
Defective Privies abolished and pails and bins provided...	3
Defective and leaky pails renewed	21
Defective roofs repaired	4
Defective rain-water gutters and downspouts made tight...	57
Yard surfaces repaired	3
Foul Wooden Sink removed and replaced with Stoneware Sink	1
Defective Lavatory Basin replaced with new	1
Foul Catchpits removed from interior of premises	2
Nuisances from keeping of fowls and animals abated	3
Removal of Refuse deposited on road	2
Number of premises supplied with water for domestic use.	9

Number of samples of water taken for analysis	4
Number of premises demolished unfit for habitation	2
Number of premises cleansed	43
Number of samples of cockles taken for bacteriological examination	9
Number of samples of sand taken for bacteriological examination	5

I am, Gentleman,

Your obedient Servant,

A. W. PATTISON,

Surveyor and Sanitary Inspector.

